

LUNNATIC™ 4000

Voice Recording • FM Radio • OLED Display • Shows Lyrics and ID3 Tag



USER'S GUIDE

We have designed this product thinking about your needs.

Digital/life™!!
www.energysistem.com

Energy
Sistem®



*None-use periods: if the unit is left unused for a long period, please take out the battery in order to avoid the unit being corroded by the seepage.

*Do not use the unit in places that are extremely hot, cold, dusty, or humid.

*Avoid the unit being dropped.

*The battery service life may differ under different usage conditions and different models

*Please change the battery when any of the following cases occur:

The logo  appears and displays: low battery

The keys become inactive

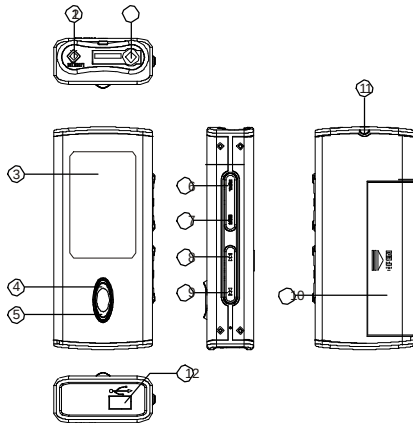
The unit stops running under normal condition.

Important information:

Please read and retain all the operating instructions before operating the unit, we do not assume any liability arising out of improper operation or incidental damages. Be note to operate this unit with care and back up any files if necessary.

- MP3/WMA playback
- OLED display
- Screen saving
- FM tuner with 30 station memories and FM digital recording
- LINE-IN function
- High-level digital recording
- No driver Program necessary under win2000/XP/ME
- 64/128/256MB portable USB data storage
- A-B Repeat playback.
- Equalizer: 5 modes.
- ID3 tag support with file name lyrics display (edit in advance needed)
- Low power consumption
- Line control support
- Firmware upgradeable
- Elegant menu

INTRODUCTION OF COVER



1. LINE-IN inputjack
2. Earphone jack
3. O LED display
4. Play/pause/stop
5. Recording REC/A-B repeat
6. EQ /DEL
7. Menu
8. VOL / SEARCH-
Volume - / previous, RW
9. VOL / SEARCH+
Volume + / next, FF
10. Battery case
11. Neck strap slot
12. USB slot

LIQUID CRYSTAL DISPLAY

Music 

Recording 

FMM turner

Volume 

USB mode 

Battery level indicator 

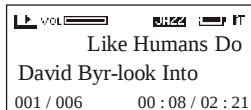
Music or REC filename, ordinal number and recording time

001/006 00:08/02:21

Recycling mode

Recycling includes 5 modes: Single repeat, repeat all, random play, random repeat and normal

(no logo display for normal mode) 、、、、



BASIC OPERATION

1. Basic operation

1). Battery loading

Note: only an AAA DC 1.5V alkaline battery can power the unit, when the LCD display , please change the battery in time.

Push the battery cover toward the direction of the arrowhead to open the battery case, put the battery inside based on the correct polarity, and then push the battery cover toward the direction of the arrowhead to close the battery cover.

2. Power on: press  to turn on the unit, and LCD displays the logo of the player. Then the unit enters MUSIC mode. The LCD display music mode m, track number, total number, playback length, track name, singer, repeat indicator, volume level, stop indicator, sound effect Indicator, battery level as well.



3. Power off: Under play back or stop (pause) status, press and hold  key, a schedule bar will turn up. When the Off Schedule Bar  is full, the unit will turn off.

2: MP3, WMA Playback:

Note: this unit can supports MP3 (layer3 of MPEG1, MPEG2 and MPEG2.5) and WMA files.

1) Playback:

Press ►|/■ button to start playback under stop or pause status, the playback indicator, repeat indicator, track number, total number, total time, track name, the singer, volume, EQ indicator, battery level as well. If the lyrics have been edited in advance, it will also be displayed

Note: When it is playing, the indicated battery capacity may change. It is because the electric charge oscillation generated due to different power consumption during the play.

2), pause/stop/turn off

Pause: under playback mode, press ►|/■ button to pause. Pause indicator  displayed on the LCD. Press ►|/■ button again, the playback continue.

Stop: under playback or pause status, press and hold ►|/■ button to stop. Stop indicator displayed  on the LCD, the unit stop playing.

Power off: under playback/pause/stop status, press and hold m button (about 4 second) until the off schedule bar was full , the unit power off

Note: under pause or playback mode, in order to save the battery power, the unit will automatically turned off in 60 second if no button was pressed.

3, previous file/next file

Press ►| button to skip to previous file; ◀◀ button to skip to next file.

4, FF/REW

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under music or voice mode, press MENU to enter the menu, select  by  button or  button, and confirm by pressing MENU button. Then select FF or REW by   button, press MENU to confirm. When logo ash on the LCD.

Press  and hold  button to move fast-forward and playback;

 Button To fast-rewind and playback.

5.volume adjustment:

Under playback mode, press  button to increase the volume;  button to decrease.

The volume indicator  on he LCD changes accordingly.

6; EQ modes setting

Set by m button: Under music or voice mode, press m button to enter the menu. Select



Setting

and press m button to confirm, and then select voice effect,

Press m button to enter EQ mode selection. Press  button or 

Button to shift the EQ modes in the order of Normal, Rock, Jazz,

Classic, Pop. The LCD display **NORM** 、 **ROCK** 、 **JAZZ** 、 **CLASS** 、 **POP** , and you can

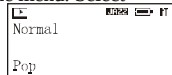
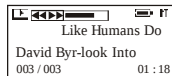
press m to confirm and return Quick start res EQ/DEL button to shift the five modes in

the order of: normal, rock, jazz, classic, and pop, LCD display **NORM** 、 **ROCK** 、 **JAZZ** 、

CLASS 、 **POP** Accordingly.

Note: when shifting the EQ modes, do not press buttons too fast; please change them one by one.

7; File repeat modes setting



Under playback or record status, press **m** button to enter the menu, select  and press **m** button to confirm. Then select playback mode, press **m** button to enter the playback mode settings. By pressing  or  button, the playback mode will change in below order: Normal, repeat one(), repeat all(), random play(); random repeat(). (No logo when normal be selected). Press **m** button to confirm and return.

7, A-B repeat function

Setting: under playback status, press REC/A-B button at the beginning of the section you want to repeat; the A indicator will be displayed . Press the button again at the end of the section, the AB indicator will be displayed  and this section will be repeated continuously.

Cancel: A. Press and hold REC/A-B button to cancel the repeat and resume normal playback.

B. Press and hold  button to stop playback and cancel A-B repeat.

3. Voice playback

ROMK **POP** **Note: WAV could not support ID3.**

Under voice mode, the LCD display voice indicator **v**,

1)Playback

2)Pause/stop/power off

3)Previous/next, FF/REW

BASIC OPERATION

- 4)Volume adjustment
- 5)EQ modes setting
- 6)Playback modes setting
- 7)A-B repeat

4.Files delete:

1)Single file delete

Under music or voice mode, press and hold EQ/DEL button. LCD display delete files? File name and confirming indicator yes or no, press **▶▶** or **◀◀** to select. Select yes and press MENU button to delete current file and quit delete mode; Select no to cancel and quit the mode.

2)Delete all

Under stop status of music (or voice) mode, press and hold EQ/DEL button to enter delete mode, then LCD display delete files? File name and confirming indicator yes or no, press EQ/DEL button again, LCD display delete all? and confirming indicator yes or no, press **▶▶** or **◀◀** button to shift the indicator. Select yes and press MENU to confirm, all files will be deleted and quit delete mode.

5. Music & Voice shifting:

Under stop or playback status, press MENU button and select music or voice record by  or  button, then press MENU to confirm.

6. FM tuner:

1). Start FM receiving:

Press MENU button to enter the menu. Select  by  button  and press MENU button to confirm. LCD display FM mode logo f.

2). Auto-searching:

Under FM status:

Searching for next station: press  button to enter searching mode, press  and hold button to start searching frequencies from high frequencies to lower frequencies, button to start searching from low frequencies to higher frequencies.

Auto-searching: press  button to enter searching mode, press  and REC/A-B button at same time; the unit begin to search stations and store them automatically. At most the unit can store 20 stations.

Stop searching: under auto-searching status, shortly press  REC/A-B button, the unit will stop searching automatically.

Note: Before searching or if no station was stored, the station order will be

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default 87.5 MHz.

3). Manual searching: Press  button to enter searching mode, each time you press  button the frequency will increase or decrease by 0.1 MHz.

4). Storing: under searching status, press  key to shift to storing mode, press  button to select the channel number, then press REC/A-B button to confirm the storing and return to FM receiving.

Note: By those operations above, the files can only be stored temporarily. If you Shut off the power directly, the file will lost .so if you want to keep them, you must press and hold  button, and turn the unit off normally.

5). Previous/Next station

Under FM receiving status, press  button to skip to the previous station, and start receiving; press  to skip to the next station.

6). Forced mono: when the FM stereophonic effect sounds not very good, press REC/A-B button to achieve forced mono function, which could lower the interference, press REC/A-B button again, it return to stereo effect.

7). Volume adjustment: When you are listening the FM program, press and hold  button to increase the volume, press  and hold button to decrease the volume. The indicator  on the LCD will change accordingly

8). Press MENU button to quit FM tuner.

7.Voice recording:

1)Quick start:

Under stop/pause/play status of music or voice mode, press and hold REC/A-B button, until the LCD display , release REC/A-B button, the unit start to record voice as mono ADPCM 8KHz format.

2)Through the menu:

1.Enter the recording mode setting

Under music or voice mode, press MENU button to enter the menu, select voice by  button and press MENU button to confirm the voice recording mode setting.

Under FM status, press  and hold REC/A-B button to enter record mode:

2.Setting

Input source:

Move the cursor to the input source by + or - button, then set the input source by MENU button: MIC or LINE-IN (under music or voice mode)

Under music Or voice mode	MIC	Recording external voice through the MIC
	Line In	Recording through audio line from other media player i.e. cassette recorder, CD player etc.

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1.Channel number

Move the cursor to channel number by  and  button, then press MENU button to set the channel number: mono, stereo.

Mono	MonoInput source is MIC, LINE-IN
Stereo	StereoInput source is LINE-IN

3.Start/quick recording

Move the cursor to the confirming indicator recording or cancel, then press MENU button to confirm.

Record	Confirm by press MENU , then start recording as step 1 
Cancel	Confirm by press MENU , then return to main menu

Note: Lxxx.wav is files recorded by LINE-IN, which is stored in root catalog; Vxxx.wav is files recorded by MIC, which is stored in voice folder.

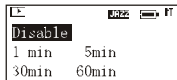
3) Stop recording

Under recording status, press REC/A-B button to stop recording, while other buttons are not valid.

8.Auto power off setting:

1. Press MENU button to enter the menu, select  by  button and press MENU

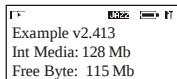
button to confirm. Then choose power setting, press MENU button to enter auto power off setting mode. Select auto off time (1 min, 2 mins, 5 mins, 10 mins) by ►► or ►► button and finally press MENU button to confirm your choice and return to previous menu.



Note: if you select disable, the unit won't power off until the battery is completely exhausted.

9. Check the capacity of the player.

Press MENU button, choose  by ►► or ►► button. Press



MENU button again, the LCD displays the example version number, total memory and free memory. Press any button to quit

10. LINE-IN function and using manual

- 1). Connect one plug of the LINE IN cable to other audio devices (i.e. cassette recorder, CD player), and another plug to the LINE IN jack.
- 2). In record menu, set the input source to LINE IN, and set the encoding and channel number. Then move the cursor to recording by ►► button or ►► button
- 3). Start the output of external audio signal (i.e. music), meanwhile, shortly press m button, the unit begin to record.

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Note: when you use LINE IN recording function, please adjust the volume of the audio signal, we recommend you to monitor the sound by earphone, otherwise, some distorting problem may occur.

11. Lyrics edit:

- 1). Open Winamp, load the mp3 you want to edit, and then open the LRC (3.4) lyrics editor. You can key in the lyrics to the LRC editor's text frame or click Document/open, move the edited text lyrics to the lyrics editor, as follows:
- 2). When the relative lyrics are playing, please clicks add tag; the time tag will appear before the lyrics.
- 3). Fill the file name, singer, album name blanks accordingly.
- 4). Finally, click saves as (A) in file (F) in LRC to save the edited lyrics.

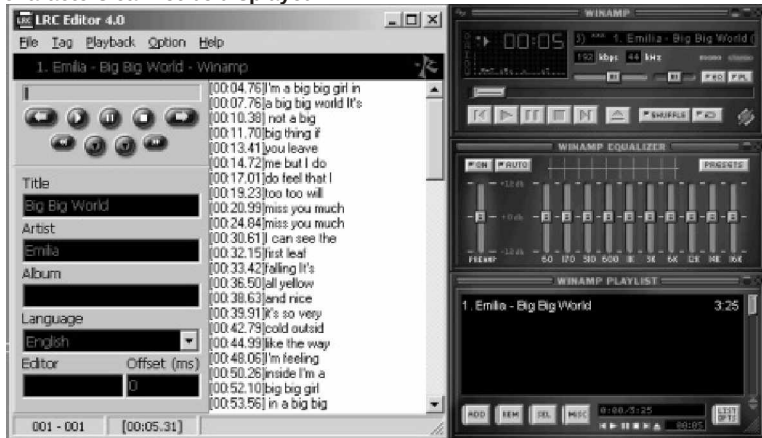
Note: do name the lyrics in their original mp3 names, and copy both files and lyrics to the unit. Therefore, the lyrics will be displayed on the LCD at the same time.

Note: 1. Each sentence shall not exceed 16 single-characters (i.e. English or number characters) or 8 double-characters (i.e. Chinese characters).

2. Characters as follows should not be used in title blank and singer blank:

3. The lyric of each song cannot exceed 1000 bytes, or the exceeded

characters cannot be displayed.



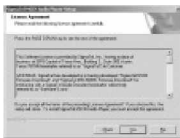
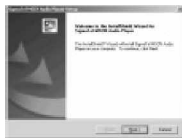
BASIC OPERATION

Connecting with a computer:

1). Installation of driving program

Note: a) Windows 98 base needs installation of driving program, while Windows 2000/XP/ME do not . b) DO NOT connect the MP3 player to the computer before installation is completed. c) if you want to use win 2000, the windows2000 service pack 3.0 (in the install CD) must be installed.

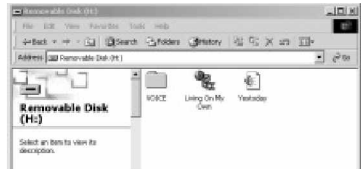
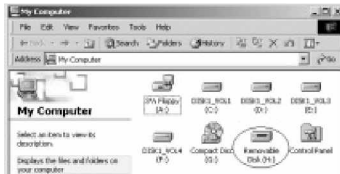
Load the provided installation CD into the CDROM or download the driving program from www.energysystem.com.



2. Double clicks on SETUP. EXE, pictures will be shown as follows: Then click Next>Yes>Next>Next>Finish according to the reminder Installation is finished.

2). Connecting to a computer

Connect your MP3 player to PC via USB cable, press **M** button or under the condition that the is turned on, the window will appear indicating the new hardware has been found, then the system will automatically install the drive program. After it, a mobile disk icon (see as following) will be found in “ My computer ” with  on LCD display.



3). Upload/ Download files

So long as the driving program has been properly installed, the MP3 player itself is a

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mobile disk after being connected to a computer. Therefore the file transfer is operated in the same way as the ordinary disk.

Special Note: a. Don't unplug the MP3 player during the process of uploading or downloading files; otherwise, it may cause dysfunction of the unit due to the damage to the software. For details, please see Trouble shooting.

Note: a. Don't unplug the MP3 player during the process of uploading or downloading files; otherwise, it may cause dysfunction of the unit due to the damage to the software. For details, please see Trouble shooting.

b. When you want to unplug the MP3 player from the USB port of the computer, be noted to  on LCD. If LCD is blinking with “ Usb- SA” or “ Usb-rd” , it indicates that data is being transferred. Plug the MP3 player when it display .

Special notice: Normal uninstallation for USB device is required under Windows 2000 or Windows XP; otherwise it may cause damage or data loss to the player.

Operation steps are as follow:

a. Double clicks on icon of ‘Unplug or Eject Hardware ’ on bottom right corner of the computer (note: under XP, it is ‘delete hardware safely ’) as following:



B. Click “Stop ” on the pop-up window. Refer to the following picture on the left.

C. Click OK on the pop-up window. Refer to the following picture on the right:



d. Click OK on the pop-up window. See the following window.



You may then unplug the MP3 player from USB port after the above steps.

4) Upgrade/Renew Software

You'd better not upgrade the software unless the player works abnormally, i.e. not able to be powered on.

A. Connect MP3 with computer.

B. Press “M” button, or MP3 has already been in ON status, then a mobile disk icon

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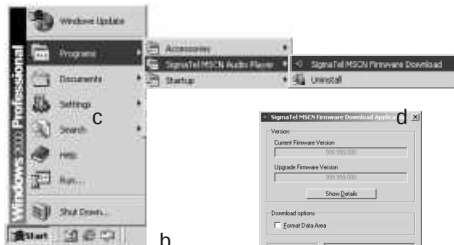
will appear in “My Computer”, see picture a:

C. Steps: Start>Program>SigmaTel MSCN Audio Player>SigmaTel MSCN Firmware Download, see the following picture b.

Then a window will pop out as picture c:



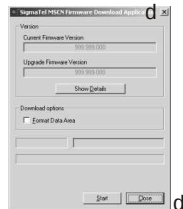
a



b



c



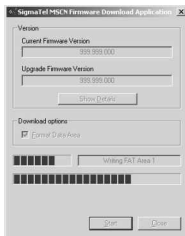
d

After the above windows close automatically, the window of upgrading software will pop out as picture d:

Note: if you want to format data area of the flash while upgrading, you need to choose Format Data Area. System will pop out a window as the following picture. If you want to format Data Area, click “yes”.



D: Click “Start ” button and start upgrading software, see as follows:



E: After upgrading, please click “Close ”button.

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5). Format the MP3 Player

A.Press “M ” after connecting the player to the computer.

B.Click “mobile disk ” with right button of the mouse, and choose Format from the menu, see the right picture:



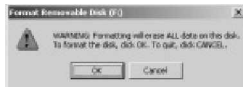
FAT



C.That the format window will pop out, see the above picture:

D.Click “Start ” in the format window. Then click “OK ” button in the pop-out window and start formatting MP3 flash.

E.After formatting, click ‘OK ’ button in the right picture.



6). Uninstall the driving program

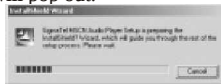
A.Disconnect the player to the computer.

B.According to the following picture, click Start>Program>

SigmaTel MSCN Audio Player>Uninstall, or Control Panel>Explorer



Immediately the following window will pop out.

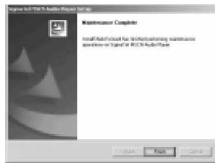


Click “ Cancel ” if you want to cancel the operation, otherwise the following conversation window will appear.

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Click “OK ” to start cancel the driving program, with the following conversation window appear then.



Click Finish when uninstall completes.

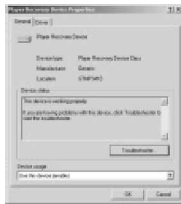
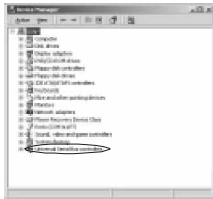
Note: This driving program may prevent driving program installation of other MP3 products. Download driving program manually under device manager or refer to the technical support page of www.energysystem.com.

Steps for downloading driving program manually:

A. Under Windows 2000/XP, click “My computer>Properties>Hardware>Device Manager” with the right button on the mouse. See following picture on the left.

Double click Player Recovery Device Class>Player Recovery Device, see as follows:

BASIC OPERATION

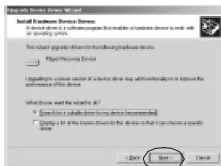


Click Driver>Update Driver... the following windows will pop-up.



Click NEXT on each continuously appearing window.

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B. After connecting the player to the computer, click **My computer > Properties > Device**

Manager” by right button on mouse under Windows 98, to check whether there is “Player Recovery Device” in device manager, see following picture.



Double click Player Recovery Device Class>Player Recovery Device, see as follows:
Click Driving Program as follows:



Click Driver>Update Driver...

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①



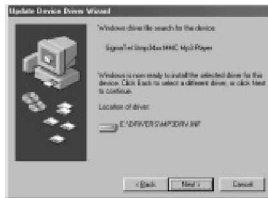
②



③



④



Installation is finished.

Trouble Shooting

1.Why can't some MP3 be played?

Standard MP3 only includes: the songs in layer 3 of MPEG 1, layer 3 of MPEG 2 and layer 3 of MPEG 2.5. Otherwise, it won't be played in the player except transformed by the corresponding software.

2.Why doesn't the memory size displayed under the operational system match the figure on the tab?

The software in the MP3 player takes up a small portion of the memory, which coincides with the corresponding standards.

3.About WAV format

This solution supports WAV files of IMAADPCM format only. If you want to store WAV files of other format in this player, please set up a new folder and store the WAV files in it. Don't put the WAV files of other format into the root directory of the mobile disk and the folder of VOICE, otherwise, the player may shut down when play such WAV files.

4.What causes the Mp3 player running slowly?

Using or deleting files frequently in a long time will generate fragments in the flash memory, like fragment in the hard disk, which will cause the player running slowly.

5.What if the driving program of the MP3 player be damaged?

This is caused by improper operation. For details, please refer to the Upgrade/Renew Software part.

6.What if the MP3 play works abnormally, i.e, shutting down?

When abnormal situation occurred due to improper operation, push the POWER ON switch to OFF and then toward ON. Then restart the unit and it can return to normal situation.

7.what if after a long non-use period, the player cannot be turned on?

To enlarge the life of the built-in battery, when the battery level is too low or in some abnormal situation (shut off), the lithium battery will be protected, so it cannot be turned on. You need to connect the mp3 player to a computer or the charger; it can be used after recharging.

Flash memory: 256MB / 512 MB (refer to the indicator on the packing)

Max recording time: 16Hr / 32 Hr

Dimensions: 68mmx38mmx12mm

Weight: 33g

Power source: AA battery

Memory medium: built-in flash memory

Microphone: built-in capacitor MIC

Input: built-in MIC

Output: double-channel earphone, above 8 ohm.

Range of FM frequencies: 87.5-108mhz

Condition to use: 0-40°C

Basic accessory: user's manual, line control, USB cable, earphone, neck strap, installation CD, carrying case.